



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 11661415
SAU: Vassalboro School Department
School: Vassalboro Community School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 4

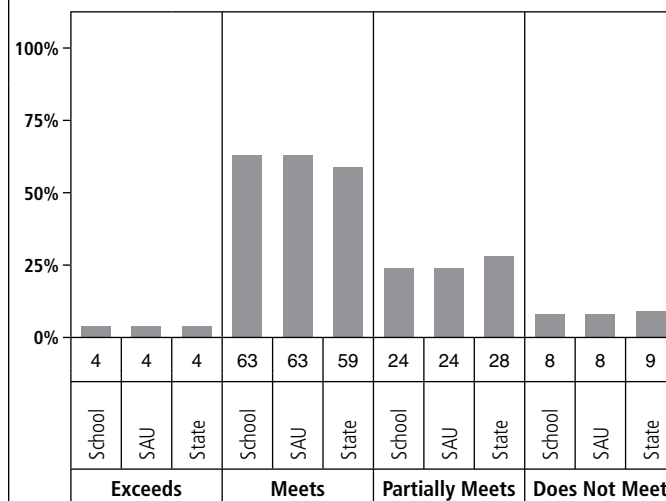
SAU: Vassalboro School Department

School: Vassalboro Community School

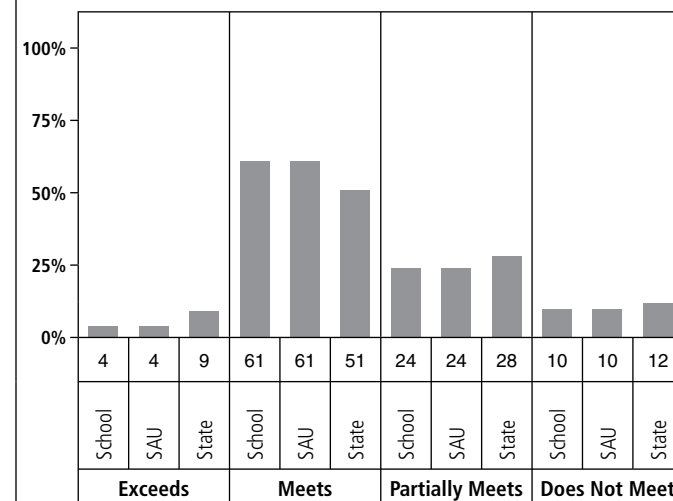
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	445	445	444
2006–2007	445	445	445
2007–2008	446	446	445
Cum. Avg. *	445	445	445
Mathematics			
2005–2006	445	445	444
2006–2007	448	448	445
2007–2008	446	446	445
Cum. Avg. *	446	446	445
Science & Technology			
2005–2006	448	448	444
2006–2007	445	445	444
2007–2008	448	448	444
Cum. Avg. *	447	447	444

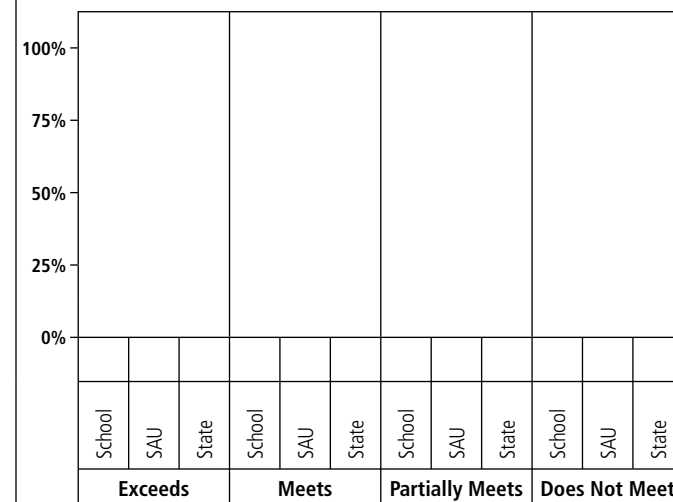
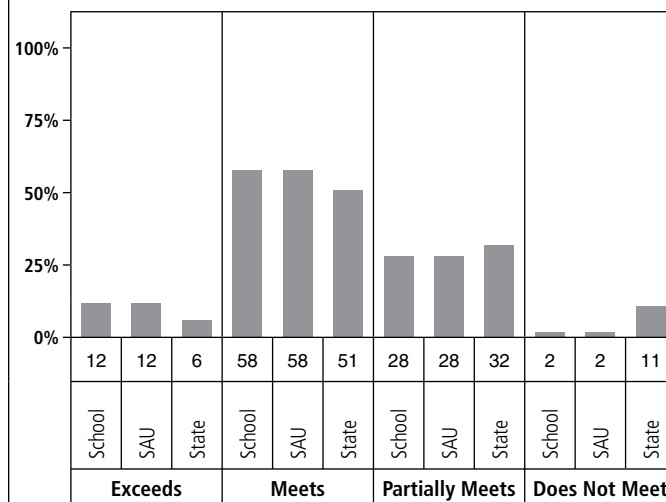
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 4
 SAU: Vassalboro School Department
 School: Vassalboro Community School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	50	100	50	100	14207	100	49	98	49	98	14181	100	49	98	49	98	14123	100	50	100	50	100	14115	99						
Ethnicity African American/Black	0	0	0	0	390	3	0	0	0	0	388	99	0	0	0	0	388	99	0	0	0	0	386	99						
American Indian or Native Alaskan	0	0	0	0	101	1	0	0	0	0	101	100	0	0	0	0	101	100	0	0	0	0	101	100						
Asian or Pacific Islander	0	0	0	0	263	2	0	0	0	0	259	98	0	0	0	0	262	100	0	0	0	0	262	100						
Hispanic	0	0	0	0	170	1	0	0	0	0	168	99	0	0	0	0	166	98	0	0	0	0	166	98						
Caucasian/White	50	100	50	100	13282	93	49	98	49	98	13264	100	49	98	49	98	13205	100	50	100	50	100	13199	99						
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100						
Identified disability	9	18	9	18	2524	18	9	100	9	100	2514	100	9	100	9	100	2498	99	9	100	9	100	2494	99						
Current LEP	0	0	0	0	385	3	0	0	0	0	377	98	0	0	0	0	383	99	0	0	0	0	380	99						
Economically disadvantaged	15	30	15	30	5587	39	14	93	14	93	5569	100	14	93	14	93	5538	99	15	100	15	100	5534	99						
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	42	84	42	84	10755	76	42	84	42	84	10730	76	43	86	43	86	10776	76						
Identified disability (PET/IEP)	2	5	2	5	375	3	2	5	2	5	374	3	2	5	2	5	384	4						
LEP	0	0	0	0	148	1	0	0	0	0	148	1	0	0	0	0	150	1						
504 plan	0	0	0	0	114	1	0	0	0	0	114	1	0	0	0	0	115	1						
Participation with accommodations	7	14	7	14	3298	23	7	14	7	14	3267	23	7	14	7	14	3215	23						
Identified disability (PET/IEP)	7	100	7	100	2013	61	7	100	7	100	1998	61	7	100	7	100	1986	62						
LEP	0	0	0	0	225	7	0	0	0	0	233	7	0	0	0	0	229	7						
504 plan	0	0	0	0	69	2	0	0	0	0	68	2	0	0	0	0	67	2						
Other	0	0	0	0	1046	32	0	0	0	0	1023	31	0	0	0	0	987	31						
Participation through alternate assessment (PAAP)	0	0	0	0	126	1	0	0	0	0	126	1	0	0	0	0	124	1						
Identified disability (PET/IEP)	0	0	0	0	126	100	0	0	0	0	126	100	0	0	0	0	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	1	2	1	2	11	0	1	2	1	2	68	0	0	0	0	0	80	1						

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 4
SAU: Vassalboro School Department
School: Vassalboro Community School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	6	13	6	13	601	4
	2006-2007	0	0	0	0	507	4
	2007-2008	2	4	2	4	559	4
	Cum. Total*	8	5	8	5	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	21	47	21	47	7910	57
	2006-2007	37	69	37	69	8749	63
	2007-2008	31	63	31	63	8308	59
	Cum. Total*	89	60	89	60	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	11	24	11	24	3970	29
	2006-2007	14	26	14	26	3467	25
	2007-2008	12	24	12	24	3922	28
	Cum. Total*	37	25	37	25	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	7	16	7	16	1421	10
	2006-2007	3	6	3	6	1165	8
	2007-2008	4	8	4	8	1264	9
	Cum. Total*	14	9	14	9	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	31.0	64.6	31.0	64.6	29.7	61.9
Literary Text	24	50	16.1	67.1	16.1	67.1	15.5	64.6
Informational Text	24	50	14.9	62.1	14.9	62.1	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Vassalboro School Department
 School: Vassalboro Community School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	49	2	4	31	63	12	24	4	8	446	49	4	63	24	8	446	14053	4	59	28	9	445
Ethnicity																						
African American/Black	0										0						384	1	36	35	28	438
American Indian or Native Alaskan	0										0						101	1	46	44	10	442
Asian or Pacific Islander	0										0						259	6	61	22	11	445
Hispanic	0										0						164	0	45	38	16	440
Caucasian/White	49	2	4	31	63	12	24	4	8	446	49	4	63	24	8	446	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	9	0	0	2	22	4	44	3	33	435	9	0	22	44	33	435	2388	0	29	44	26	437
No	40	2	5	29	73	8	20	1	3	449	40	5	73	20	3	449	11665	5	65	25	6	446
Current LEP																						
Yes	0										0						373	1	32	35	32	436
No	49	2	4	31	63	12	24	4	8	446	49	4	63	24	8	446	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	14	0	0	8	57	4	29	2	14	443	14	0	57	29	14	443	5502	1	47	37	14	441
No	35	2	6	23	66	8	23	2	6	447	35	6	66	23	6	447	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	49	2	4	31	63	12	24	4	8	446	49	4	63	24	8	446	14048	4	59	28	9	445
Gender																						
Female	25	2	8	17	68	5	20	1	4	449	25	8	68	20	4	449	6959	5	61	26	8	446
Male	24	0	0	14	58	7	29	3	13	443	24	0	58	29	13	443	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	12	0	0	4	33	7	58	1	8	439	12	0	33	58	8	439	1890	0	37	46	17	439
No	37	2	5	27	73	5	14	3	8	448	37	5	73	14	8	448	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	49	2	4	31	63	12	24	4	8	446	49	4	63	24	8	446	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Vassalboro School Department
 School: Vassalboro Community School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	0	0	1	100	0	0	438	2	0	0	100	0	438	5	1	42	36	21	440
B. less than one hour	78	1	3	27	71	7	18	3	8	446	78	3	71	18	8	446	74	4	62	27	7	445
C. one to two hours	20	1	10	4	40	4	40	1	10	446	20	10	40	40	10	446	18	5	59	29	7	446
D. more than two hours	0										0						2	3	32	34	31	438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	43	1	5	13	62	6	29	1	5	448	43	5	62	29	5	448	30	6	63	24	7	446
B. They match some of what I have learned.	47	1	4	15	65	5	22	2	9	446	47	4	65	22	9	446	52	4	63	27	6	446
C. They match just a little of what I have learned.	10	0	0	3	60	1	20	1	20	440	10	0	60	20	20	440	12	2	46	37	15	441
D. There is no match.	0										0						5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	31	2	13	12	80	1	7	0	0	452	31	13	80	7	0	452	35	7	66	20	6	448
B. good	53	0	0	16	62	8	31	2	8	445	53	0	62	31	8	445	51	3	60	29	7	445
C. fair	14	0	0	3	43	2	29	2	29	439	14	0	43	29	29	439	12	1	44	40	16	440
D. poor	2	0	0	0	0	1	100	0	0	440	2	0	0	100	0	440	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	14	0	0	3	43	2	29	2	29	437	14	0	43	29	29	437	19	2	46	34	17	442
B. about the same as my regular schoolwork	76	2	5	27	73	7	19	1	3	449	76	5	73	19	3	449	62	5	64	26	5	446
C. easier than my regular schoolwork	10	0	0	1	20	3	60	1	20	438	10	0	20	60	20	438	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	6	0	0	1	33	2	67	0	0	440	6	0	33	67	0	440	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	59	1	3	17	59	7	24	4	14	444	59	3	59	24	14	444	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	35	1	6	13	76	3	18	0	0	451	35	6	76	18	0	451	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	18	1	11	5	56	2	22	1	11	448	18	11	56	22	11	448	18	7	64	22	7	447
B. 20 minutes to an hour	45	1	5	16	73	3	14	2	9	447	45	5	73	14	9	447	55	4	64	26	6	446
C. less than 20 minutes	22	0	0	7	64	4	36	0	0	447	22	0	64	36	0	447	14	2	53	33	12	443
D. I rarely read at home.	14	0	0	3	43	3	43	1	14	439	14	0	43	43	14	439	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	18	1	11	2	22	5	56	1	11	442	18	11	22	56	11	442	23	3	50	34	13	442
B. six to ten pages	35	1	6	9	53	5	29	2	12	445	35	6	53	29	12	445	25	3	60	29	8	444
C. eleven or more pages	47	0	0	20	87	2	9	1	4	449	47	0	87	9	4	449	52	5	64	24	6	446
Optional school/SAU question																						
A.	0										0											
B.	67	0	0	1	50	1	50	0	0	442	67	0	50	50	0	442						
C.	33	0	0	0	0	1	100	0	0	440	33	0	0	100	0	440						
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: Vassalboro School Department
School: Vassalboro Community School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	8	18	8	18	1294	9
	2006-2007	5	9	5	9	1054	8
	2007-2008	2	4	2	4	1321	9
	Cum. Total*	15	10	15	10	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	20	44	20	44	7000	50
	2006-2007	32	59	32	59	7394	53
	2007-2008	30	61	30	61	7079	51
	Cum. Total*	82	55	82	55	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	10	22	10	22	3784	27
	2006-2007	11	20	11	20	3729	27
	2007-2008	12	24	12	24	3955	28
	Cum. Total*	33	22	33	22	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	7	16	7	16	1894	14
	2006-2007	6	11	6	11	1735	12
	2007-2008	5	10	5	10	1642	12
	Cum. Total*	18	12	18	12	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	9.2	61.3	9.2	61.3	9.5	63.3
Cluster 2: Shape and Size	14	29	9.8	70.0	9.8	70.0	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	3.3	66.0	3.3	66.0	3.4	68.0
Cluster 4: Patterns	14	29	9.9	70.7	9.9	70.7	9.7	69.3

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Vassalboro School Department
 School: Vassalboro Community School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	49	2	4	30	61	12	24	5	10	446	49	4	61	24	10	446	13997	9	51	28	12	445
Ethnicity																						
African American/Black	0										0						386	4	26	34	36	434
American Indian or Native Alaskan	0										0						101	3	46	41	11	442
Asian or Pacific Islander	0										0						262	14	51	23	12	447
Hispanic	0										0						162	4	41	34	21	440
Caucasian/White	49	2	4	30	61	12	24	5	10	446	49	4	61	24	10	446	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	9	0	0	5	56	2	22	2	22	440	9	0	56	22	22	440	2372	3	31	36	30	436
No	40	2	5	25	63	10	25	3	8	448	40	5	63	25	8	448	11625	11	54	27	8	447
Current LEP																						
Yes	0										0						381	4	33	28	35	435
No	49	2	4	30	61	12	24	5	10	446	49	4	61	24	10	446	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	14	0	0	10	71	1	7	3	21	445	14	0	71	7	21	445	5472	5	41	35	19	440
No	35	2	6	20	57	11	31	2	6	447	35	6	57	31	6	447	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	49	2	4	30	61	12	24	5	10	446	49	4	61	24	10	446	13992	9	51	28	12	445
Gender																						
Female	25	2	8	15	60	5	20	3	12	448	25	8	60	20	12	448	6933	9	50	29	12	445
Male	24	0	0	15	63	7	29	2	8	445	24	0	63	29	8	445	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	12	0	0	4	33	5	42	3	25	438	12	0	33	42	25	438	1890	2	34	41	23	438
No	37	2	5	26	70	7	19	2	5	449	37	5	70	19	5	449	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	49	2	4	30	61	12	24	5	10	446	49	4	61	24	10	446	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Vassalboro School Department
 School: Vassalboro Community School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	0	0	1	100	0	0	436	2	0	0	100	0	436	5	6	34	33	27	438
B. less than one hour	78	1	3	24	63	10	26	3	8	446	78	3	63	26	8	446	74	10	52	28	10	446
C. one to two hours	20	1	10	6	60	1	10	2	20	446	20	10	60	10	20	446	18	10	52	28	10	446
D. more than two hours	0										0						2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	33	1	6	11	69	3	19	1	6	450	33	6	69	19	6	450	38	13	56	23	8	448
B. They match some of what I have learned.	59	1	3	17	59	8	28	3	10	445	59	3	59	28	10	445	48	8	52	29	10	445
C. They match just a little of what I have learned.	4	0	0	1	50	1	50	0	0	440	4	0	50	50	0	440	10	4	35	39	22	439
D. There is no match.	4	0	0	1	50	0	0	1	50	436	4	0	50	0	50	436	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	27	2	15	10	77	0	0	1	8	453	27	15	77	0	8	453	35	16	55	20	8	449
B. good	55	0	0	16	59	9	33	2	7	445	55	0	59	33	7	445	48	7	52	31	11	445
C. fair	16	0	0	3	38	3	38	2	25	440	16	0	38	38	25	440	14	3	41	38	18	440
D. poor	2	0	0	1	100	0	0	0	0	444	2	0	100	0	0	444	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	8	0	0	2	50	2	50	0	0	443	8	0	50	50	0	443	15	4	38	33	25	439
B. about the same as my regular schoolwork	71	1	3	21	60	9	26	4	11	445	71	3	60	26	11	445	64	10	54	28	9	446
C. easier than my regular schoolwork	20	1	10	7	70	1	10	1	10	451	20	10	70	10	10	451	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	8	0	0	1	25	2	50	1	25	437	8	0	25	50	25	437	23	8	47	29	16	443
B. two or three days a week	33	0	0	10	63	3	19	3	19	443	33	0	63	19	19	443	36	11	54	27	9	447
C. two or three times each month	51	2	8	17	68	5	20	1	4	451	51	8	68	20	4	451	25	10	53	27	10	446
D. never or almost never	8	0	0	2	50	2	50	0	0	443	8	0	50	50	0	443	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	2	0	0	0	0	1	100	0	0	436	2	0	0	100	0	436	5	3	30	33	33	436
B. two or three days a week	13	0	0	5	83	0	0	1	17	449	13	0	83	0	17	449	19	8	50	30	12	445
C. two or three times each month	63	1	3	19	63	7	23	3	10	447	63	3	63	23	10	447	38	11	55	26	8	447
D. never or almost never	23	1	9	5	45	4	36	1	9	443	23	9	45	36	9	443	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	10	0	0	1	20	2	40	2	40	433	10	0	20	40	40	433	8	3	33	38	25	438
B. 30–45 minutes	17	0	0	3	38	3	38	2	25	438	17	0	38	38	25	438	27	6	48	33	13	443
C. 45–60 minutes	48	1	4	15	65	6	26	1	4	449	48	4	65	26	4	449	38	11	54	26	9	447
D. more than 60 minutes	25	1	8	10	83	1	8	0	0	452	25	8	83	8	0	452	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										0											
B.	67	0	0	0	0	2	100	0	0	437	67	0	0	100	0	437						
C.	33	0	0	1	100	0	0	0	0	452	33	0	100	0	0	452						
D.	0										0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 4
SAU: Vassalboro School Department
School: Vassalboro Community School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	8	18	8	18	751	5
	2006-2007	5	9	5	9	963	7
	2007-2008	6	12	6	12	882	6
	Cum. Total*	19	13	19	13	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	22	49	22	49	7251	52
	2006-2007	28	52	28	52	6824	49
	2007-2008	29	58	29	58	7130	51
	Cum. Total*	79	53	79	53	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	9	20	9	20	4514	32
	2006-2007	14	26	14	26	4382	32
	2007-2008	14	28	14	28	4433	32
	Cum. Total*	37	25	37	25	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	6	13	6	13	1458	10
	2006-2007	7	13	7	13	1735	12
	2007-2008	1	2	1	2	1546	11
	Cum. Total*	14	9	14	9	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	8.8	73.3	8.8	73.3	8.0	66.7
Cluster 2: Physical Sciences	12	25	8.4	70.0	8.4	70.0	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	8.0	66.7	8.0	66.7	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	7.5	62.5	7.5	62.5	7.6	63.3

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Vassalboro School Department
 School: Vassalboro Community School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	50	6	12	29	58	14	28	1	2	448	50	12	58	28	2	448	13991	6	51	32	11	444
Ethnicity																						
African American/Black	0										0						385	2	27	35	36	434
American Indian or Native Alaskan	0										0						101	3	44	44	10	441
Asian or Pacific Islander	0										0						262	5	52	28	14	443
Hispanic	0										0						162	2	38	39	21	439
Caucasian/White	50	6	12	29	58	14	28	1	2	448	50	12	58	28	2	448	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	9	2	22	3	33	4	44	0	0	447	9	22	33	44	0	447	2370	2	32	41	25	437
No	41	4	10	26	63	10	24	1	2	448	41	10	63	24	2	448	11621	7	55	30	8	445
Current LEP																						
Yes	0										0						379	1	25	35	39	433
No	50	6	12	29	58	14	28	1	2	448	50	12	58	28	2	448	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	15	2	13	7	47	5	33	1	7	446	15	13	47	33	7	446	5470	3	41	39	18	440
No	35	4	11	22	63	9	26	0	0	449	35	11	63	26	0	449	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	50	6	12	29	58	14	28	1	2	448	50	12	58	28	2	448	13986	6	51	32	11	444
Gender																						
Female	25	2	8	15	60	8	32	0	0	448	25	8	60	32	0	448	6929	6	49	33	12	443
Male	25	4	16	14	56	6	24	1	4	448	25	16	56	24	4	448	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	13	1	8	5	38	6	46	1	8	440	13	8	38	46	8	440	1888	1	32	44	23	437
No	37	5	14	24	65	8	22	0	0	451	37	14	65	22	0	451	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	50	6	12	29	58	14	28	1	2	448	50	12	58	28	2	448	13725	6	51	32	11	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Vassalboro School Department
 School: Vassalboro Community School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	1	100	0	0	0	0	0	0	464	2	100	0	0	0	464	5	4	37	36	22	439
B. less than one hour	76	5	13	24	63	9	24	0	0	449	76	13	63	24	0	449	74	6	53	31	10	444
C. one to two hours	20	0	0	5	50	5	50	0	0	445	20	0	50	50	0	445	18	7	52	32	8	445
D. more than two hours	2	0	0	0	0	0	0	1	100	400	2	0	0	0	100	400	2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	24	4	33	4	33	4	33	0	0	453	24	33	33	33	0	453	24	9	53	28	10	446
B. They match some of what I have learned.	56	2	7	18	64	8	29	0	0	448	56	7	64	29	0	448	49	6	54	31	9	445
C. They match just a little of what I have learned.	20	0	0	7	70	2	20	1	10	443	20	0	70	20	10	443	21	4	47	36	13	442
D. There is no match.	0										0						6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	22	3	27	5	45	3	27	0	0	452	22	27	45	27	0	452	25	9	53	27	10	446
B. good	64	3	9	19	59	9	28	1	3	447	64	9	59	28	3	447	54	6	55	30	9	445
C. fair	14	0	0	5	71	2	29	0	0	447	14	0	71	29	0	447	19	3	43	40	15	441
D. poor	0										0						3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	22	1	9	6	55	3	27	1	9	442	22	9	55	27	9	442	22	5	45	35	15	442
B. about the same as my regular schoolwork	70	5	14	20	57	10	29	0	0	450	70	14	57	29	0	450	62	7	53	31	9	445
C. easier than my regular schoolwork	8	0	0	3	75	1	25	0	0	448	8	0	75	25	0	448	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	14	1	14	4	57	1	14	1	14	443	14	14	57	14	14	443	24	7	48	33	12	444
B. a few times a week	82	4	10	24	59	13	32	0	0	448	82	10	59	32	0	448	53	7	54	31	9	445
C. once a week	0										0						9	6	46	33	15	442
D. a few times a month	4	1	50	1	50	0	0	0	0	458	4	50	50	0	0	458	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	34	4	24	10	59	3	18	0	0	453	34	24	59	18	0	453	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	20	0	0	5	50	4	40	1	10	438	20	0	50	40	10	438	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	30	1	7	8	53	6	40	0	0	446	30	7	53	40	0	446	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	16	1	13	6	75	1	13	0	0	453	16	13	75	13	0	453	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										0											
B.	67	0	0	2	100	0	0	0	0	446	67	0	100	0	0	446						
C.	33	0	0	1	100	0	0	0	0	452	33	0	100	0	0	452						
D.	0										0											